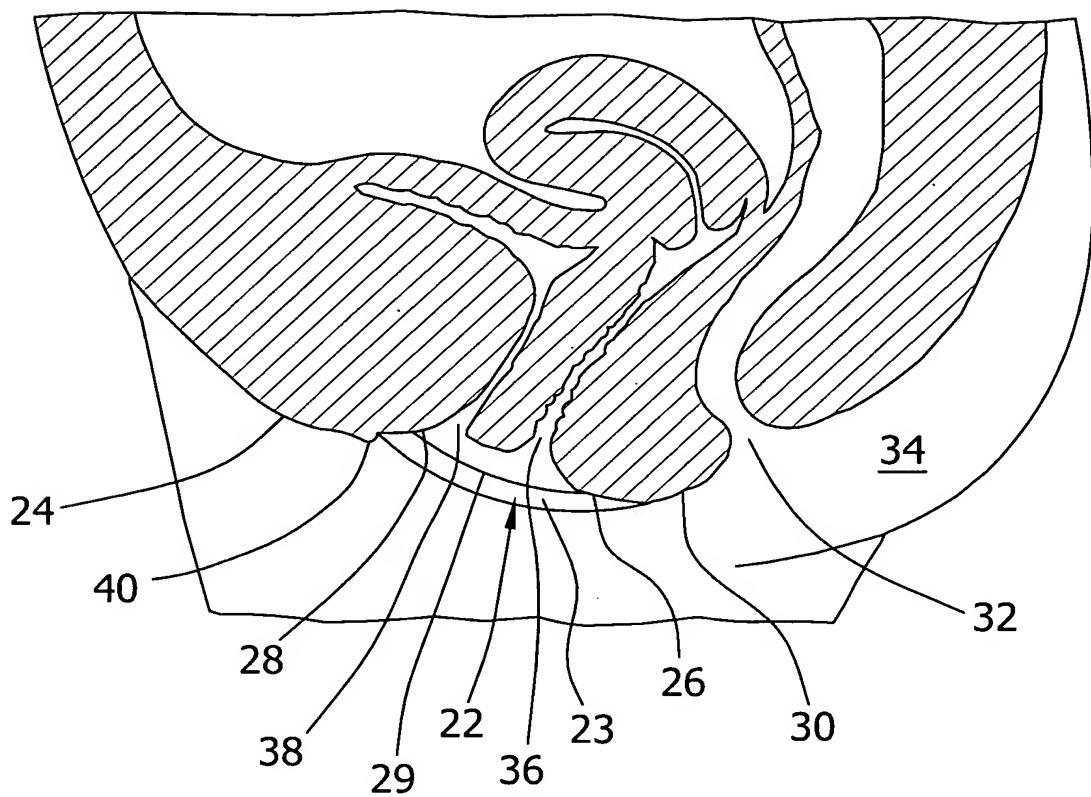
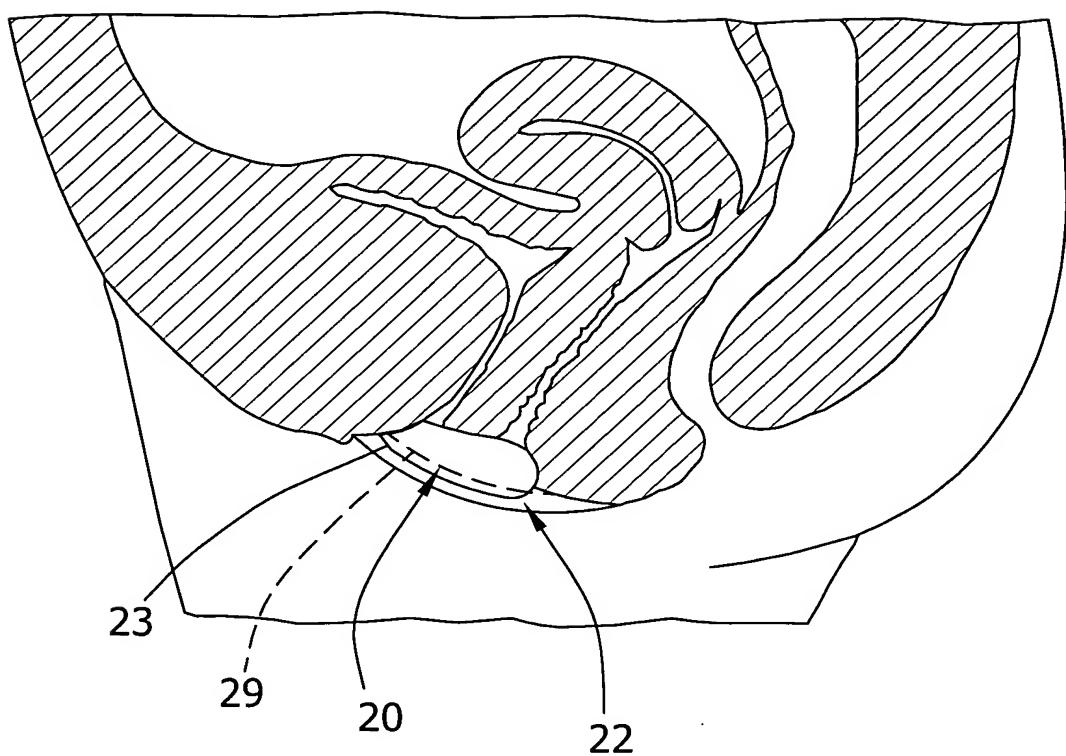


**FIG. 1A**

**FIG. 1B**

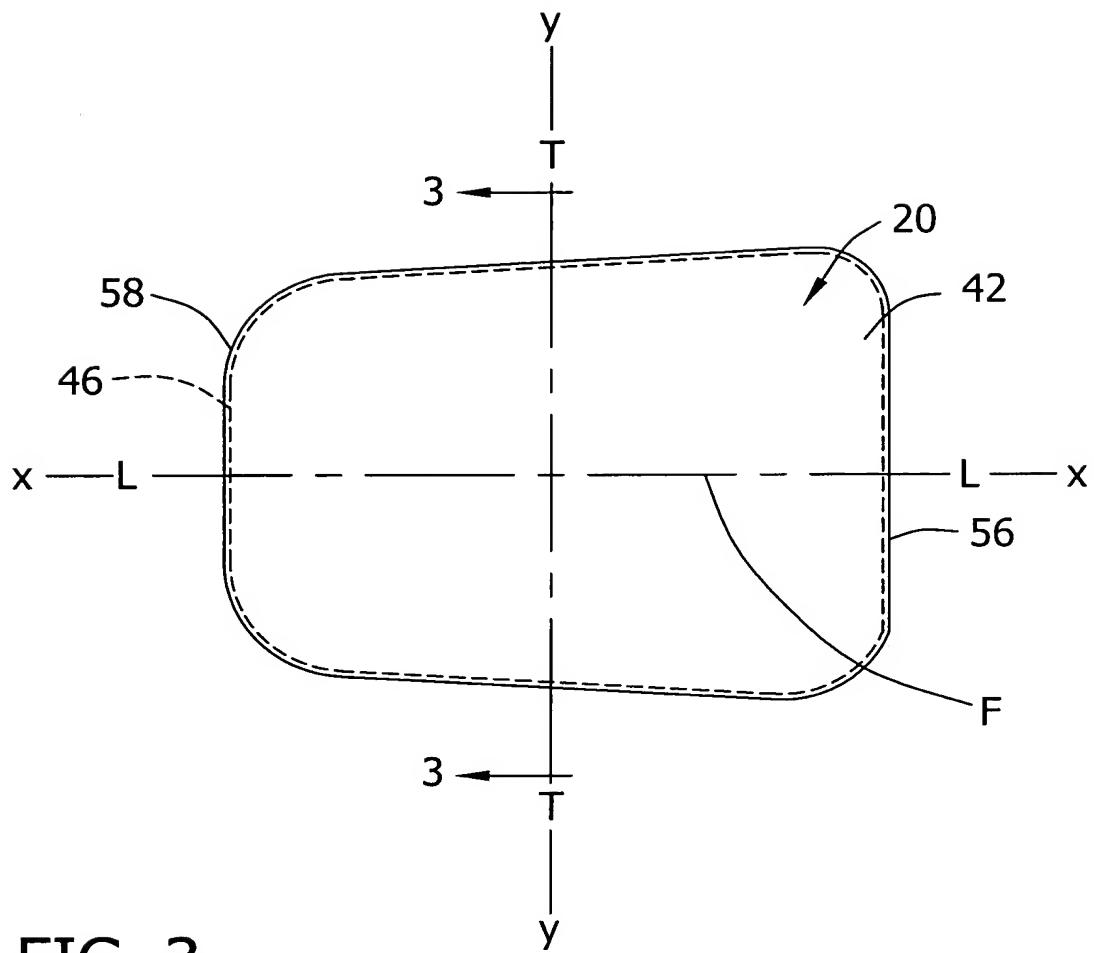
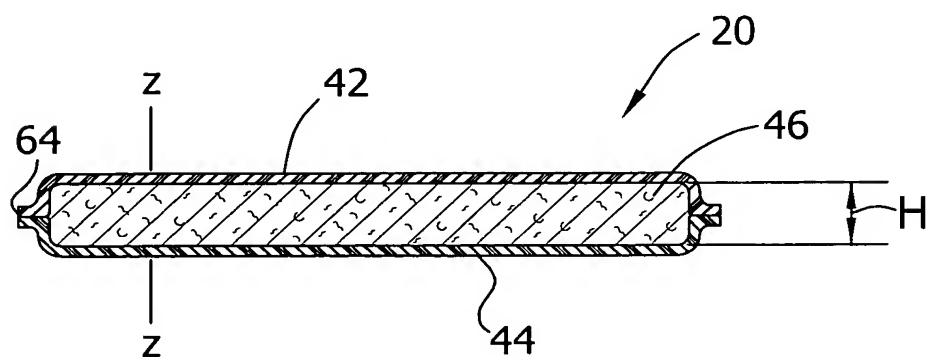
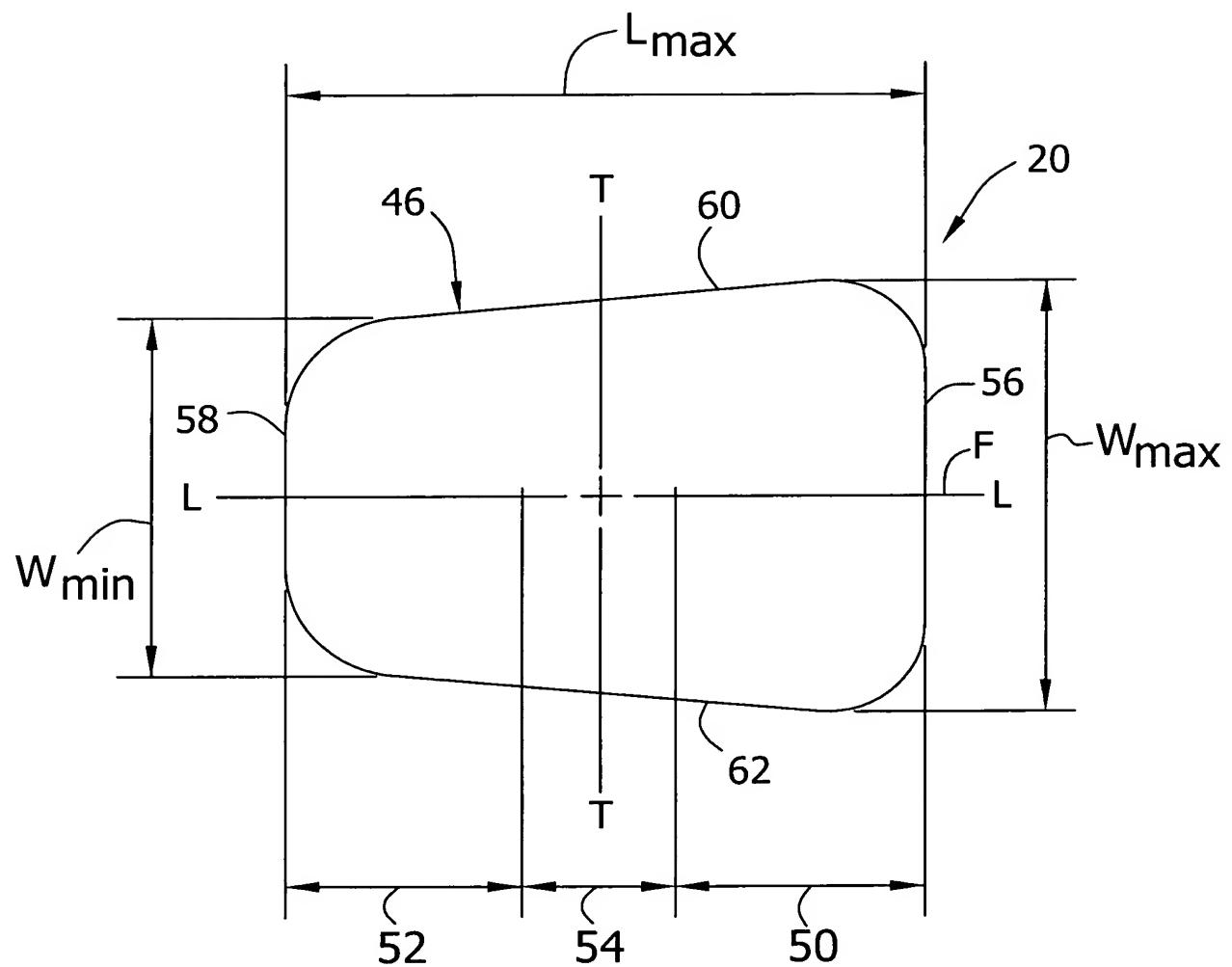
**FIG. 2****FIG. 3**

FIG. 4



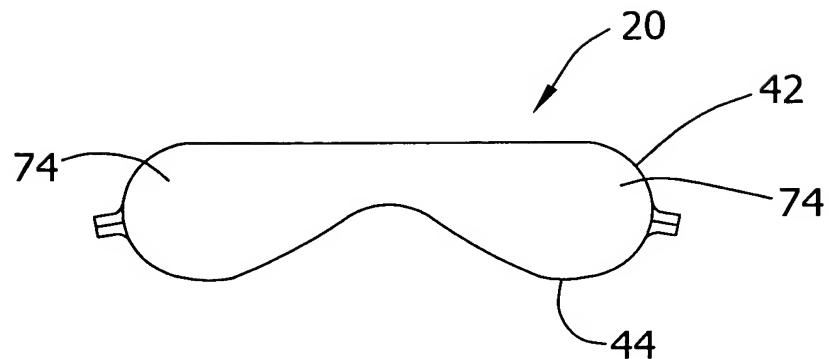
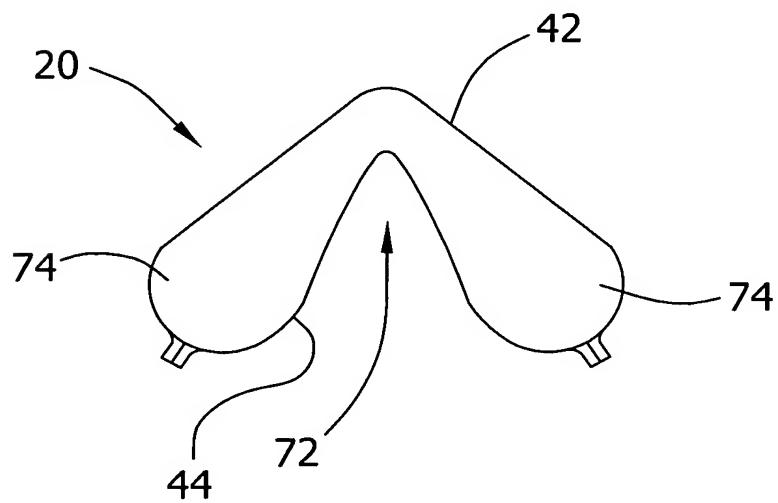
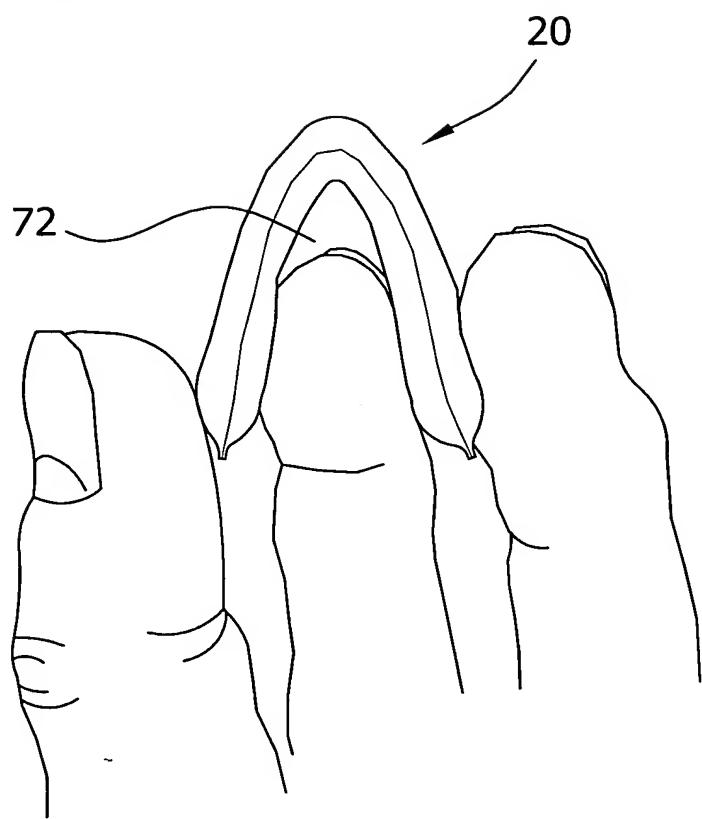
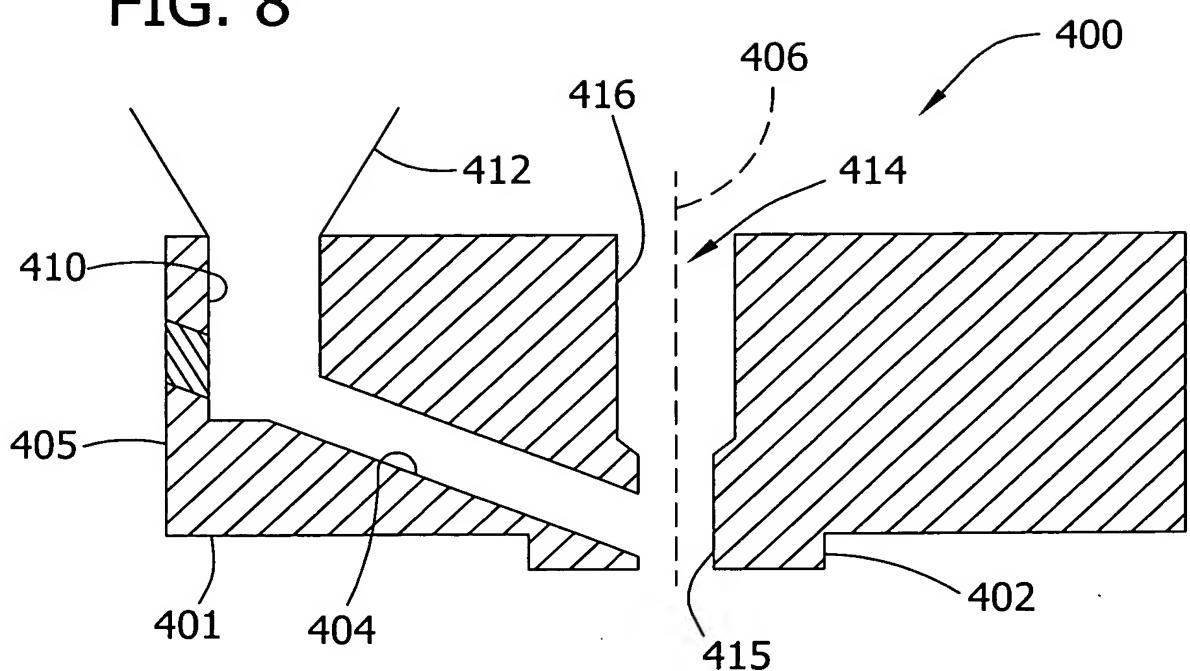
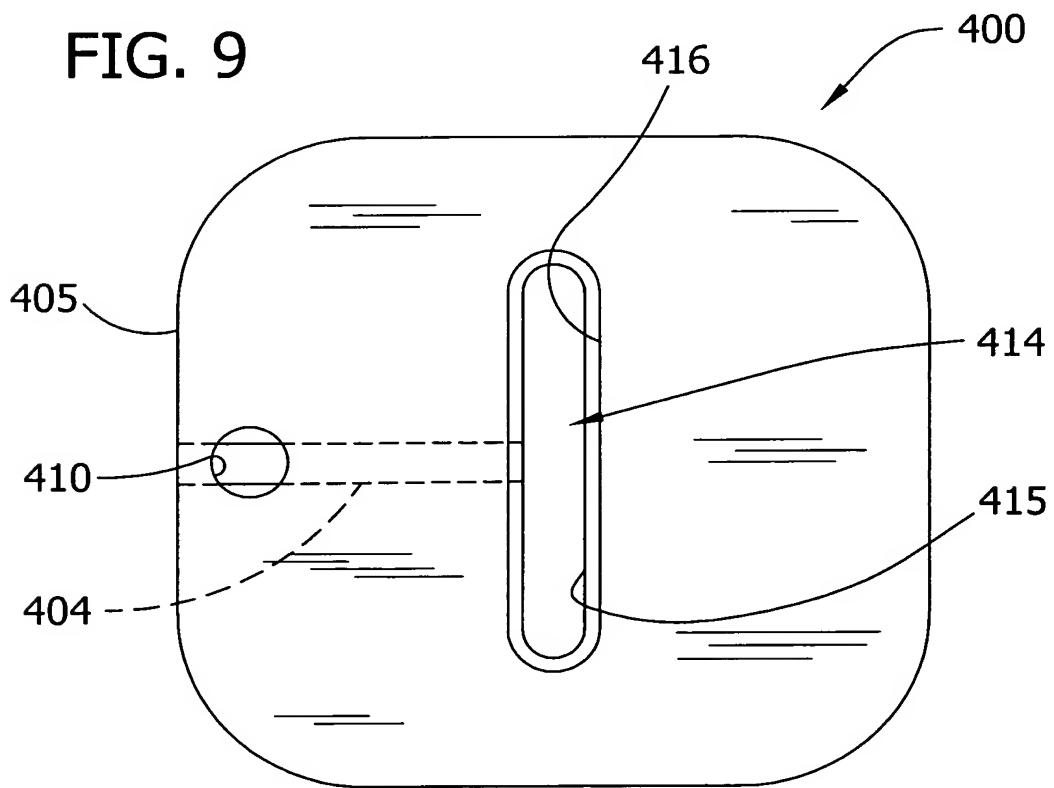
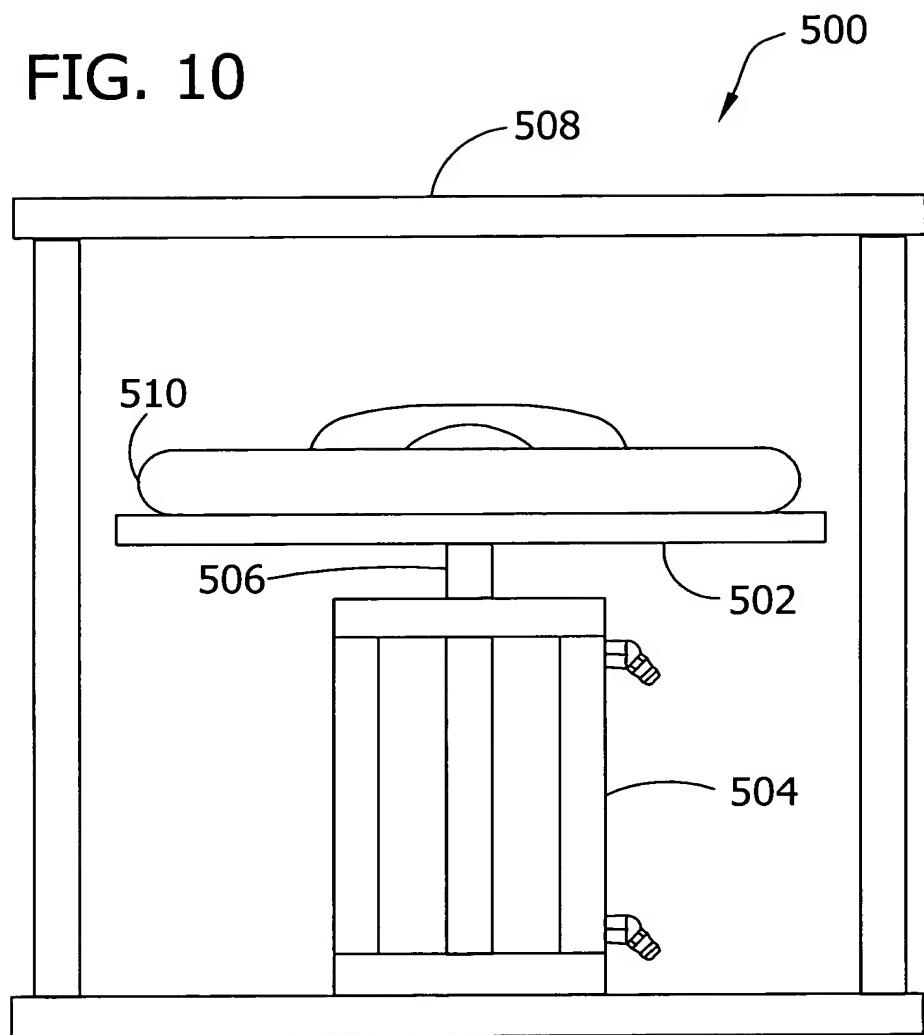
**FIG. 5****FIG. 6**

FIG. 7



**FIG. 8****FIG. 9**

**FIG. 10**

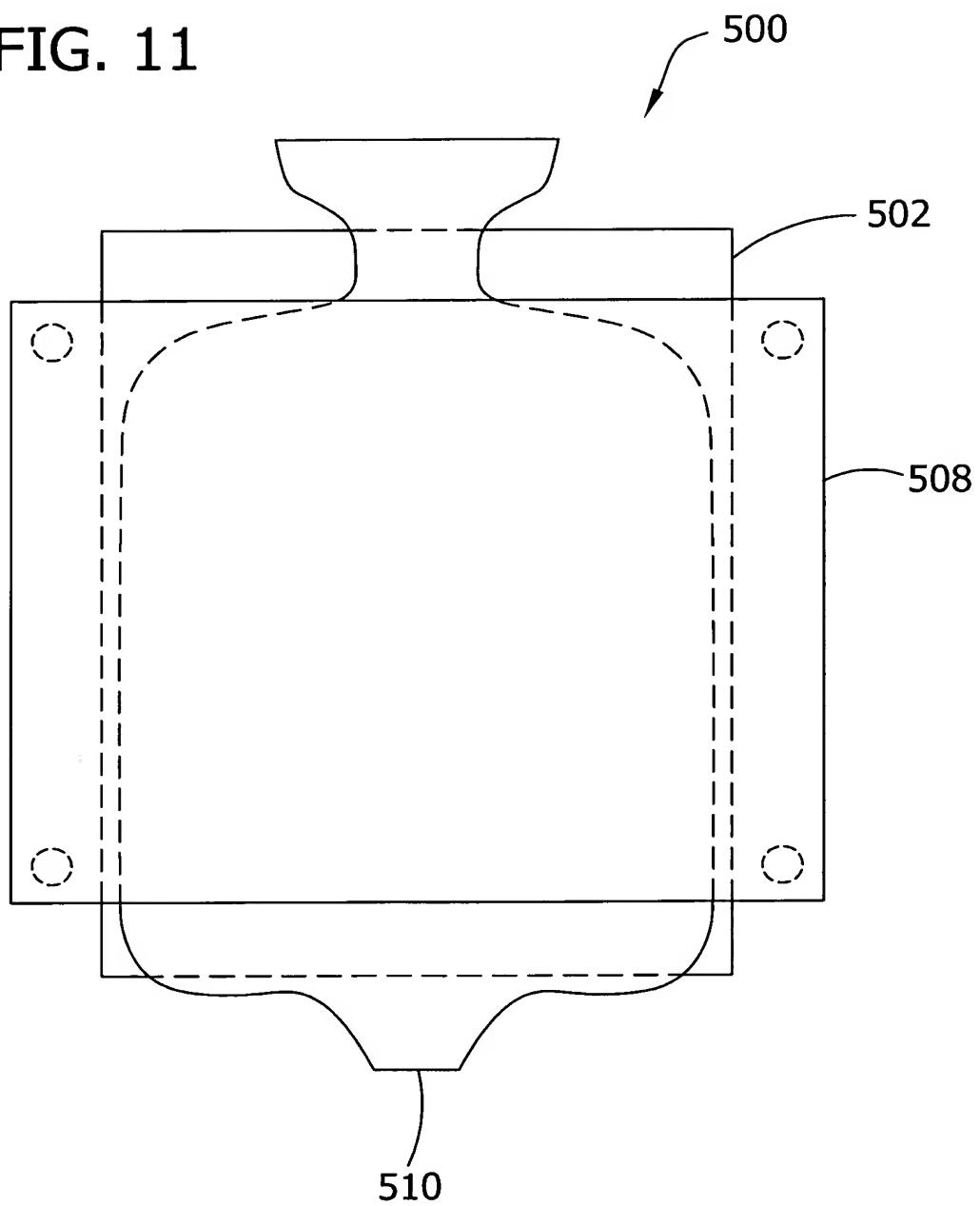
**FIG. 11**

FIG. 12

	BW (gsm)	Density (g/cc)	SAM (%)	SAM (Vendor)	SAM (Name)	Structure	Sat Cap (g/g)	Ret Cap (g/g)	1st Intake (sec)	2nd Intake (sec)	Rewet (g)
1	340	0.09	--	--	--	30/70 Cot/Ray	16.4	1.5	15	60	0.81
2	340	0.09	--	--	--	50/50 Cot/Ray	12.4	2.2	20	65	0.75
3	340	0.09	--	--	--	70/30 Cot/Ray	18.7	1.6	15	48	0.76
4	210	0.09	--	--	--	70/30 Cot/Ray	15.4	2.0	23	83	1.08
5	300	0.11	--	--	--	NB416 pulp	12.1	1.6	18	126	0.69
6	210	0.09	15	Stockhausen	F 880	70/30 Cot/Ray	20.0	3.9	24	122	0.91
7	300	0.14	25	Stockhausen	F 880	CF416 pulp	18.8	7.1	39	535	0.50
8	300	0.11	15	Stockhausen	F 880	NB416 pulp	15.2	5.6	27	266	0.51
9	300	0.13	35	Stockhausen	F 880	NB416 pulp	16.6	7.6	29	458	0.52
10	300	0.10	15	Stockhausen	F 9543	CF416 pulp	16.6	4.5	15	79	0.63
11	300	0.13	25	Stockhausen	F 9543	NB416 pulp	16.1	6.0	40	900	0.54

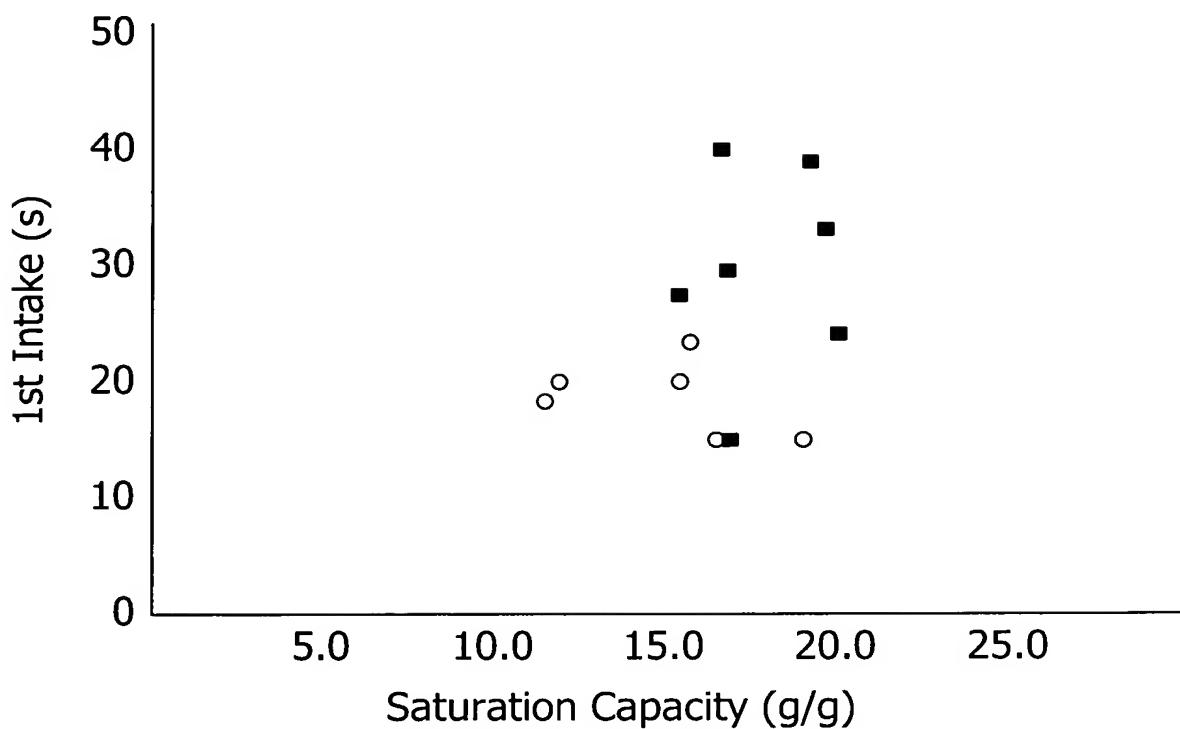
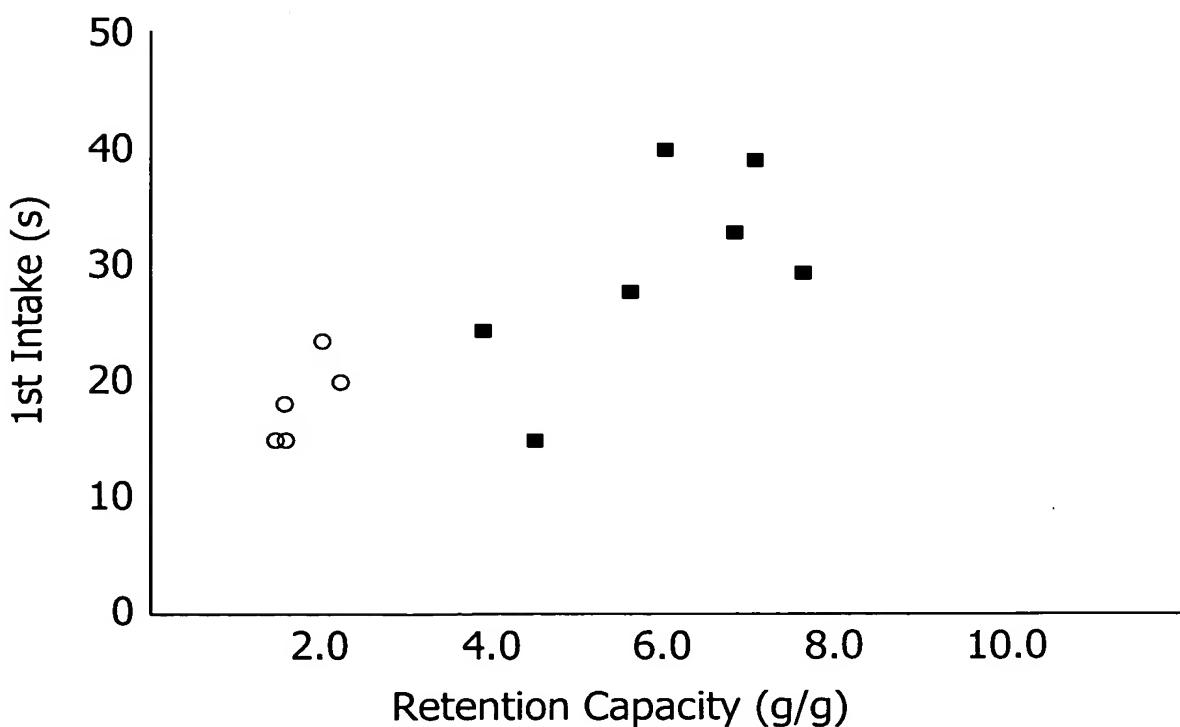
**FIG. 13****FIG. 14**

FIG. 15

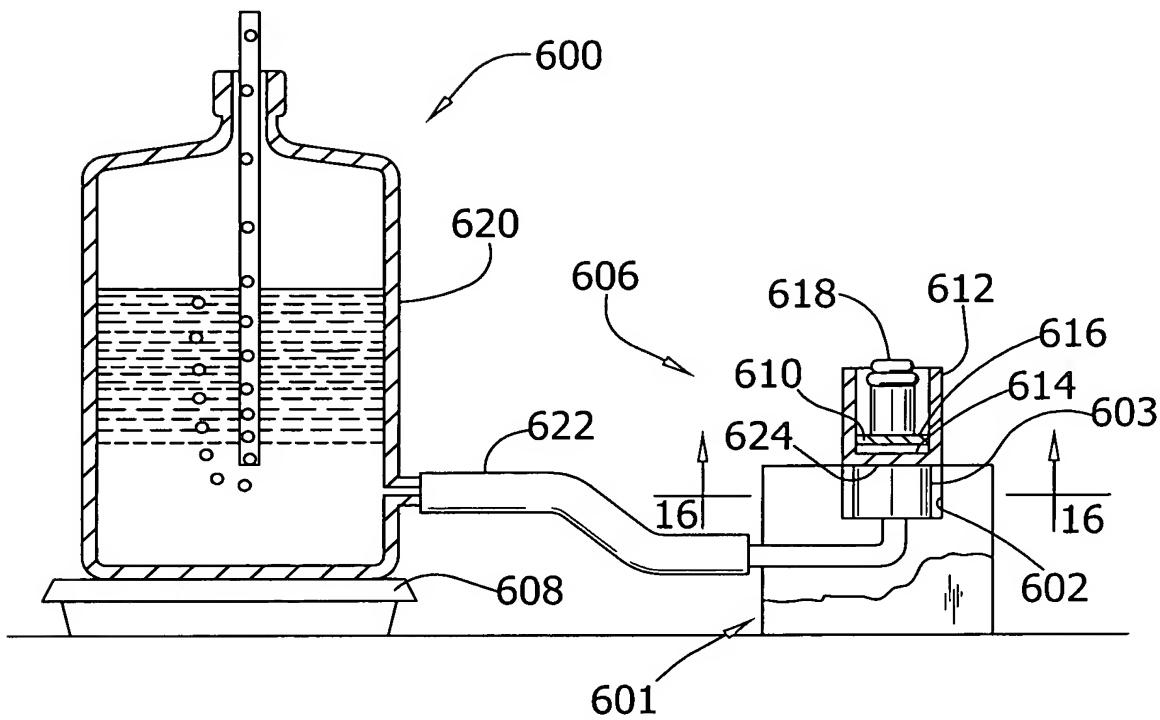


FIG. 16

